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DERWENT-ACC-NO:

1998-167215

DERWENT-WEEK:

199815

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TITLE:

New hybrid polypeptide 1106 - used for

determination of

antibodies to HIV-1, useful in diagnosis of

AIDS

INVENTOR: ALATORTSEVA, G I; GOLTSOV, V A; SUKHANOVA, L L

PATENT-ASSIGNEE: BIOSERVIS BIO-TECHN CO[BIOSR]

PRIORITY-DATA: 1992SU-5029949 (February 28, 1992)

PATENT-FAMILY:

PUB-NO PUB-DATE LANGUAGE

PAGES

MAIN-IPC

RU 2085586 C1 July 27, 1997 N/A

005 C12N 015/48

APPLICATION-DATA:

PUB-NO APPL-DESCRIPTOR APPL-NO

APPL-DATE

RU 2085586C1 N/A 1992SU-5029949

February 28, 1992

INT-CL (IPC): C12N015/48

ABSTRACTED-PUB-NO: RU 2085586C

BASIC-ABSTRACT:

Hybrid polypeptide 1106 capable of binding to antibodies of the gene pol HIV-1

and beta -galactosidase of Escherichia coli, is new.

USE - The method, materials and producer strain can be used for, e.g. diagnosis

of HIV.

CHOSEN-DRAWING: Dwq.0/0

DERWENT-CLASS: B04 D16 J04

CPI-CODES: B04-E02F; B04-E08; B04-N03; B12-K04; D05-H09; D05-H11;

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                                *Query Match
Best Local S
Matches 40
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                                                                                           This is the amino acid sequence of a hybrid protein designated H1106 and generated by fusing part of the sequence encoding the human immunodeficiency virus type 1 (HIV-1) pol protein and part of the E. colibeta-galactosidase gene. The chimeric protein can be used for generating antibodies for the diagnosis of HIV-1. (Updated on 17-OCT-2003 to
                                                                                                                                                                                            New hybrid polypeptide 1106 - used -1, useful in diagnosis of AIDS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         17-OCT-2003
04-AUG-1998
                                                                          Sequence 282 AA,
                                                                                                                                                                        Example 3; Col 8; 5pp;
                                                                                                                                                                                                                                N-PSDB; AAV19300.
                                                                                                                                                                                                                                          WPI; 1998-167215/15
                                                                                                                                                                                                                                                                                                                               28-FEB-1992;
                                                                                                                                                                                                                                                                                                                                                                                                           Misc-difference
                                                                                                                                                                                                                                                                                    (BIOS=) BIOSERVIS BIO-TECHN CO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human immunodeficiency virus
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                                         Local Similarity
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KIQNFRYYYRDSRDPLWKGPAKLLWKGEGAVVIQDNSDIK 40
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                chimeric;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  standard; protein; 282
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                                Conservative
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(first entry)
                                                                                                                                                                                                                                                             Alatortseva GI,
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157
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              note= "encoded by NAC"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         fusion protein; HIV-1; pol; beta-galactosidase;
                                        100.0%; Score 217; DB 2; 100.0%; Pred. No. 3.6e-23;
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                                                                                                                                                                          Russian.
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                               Mismatches
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RESULT 4
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Best Local
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                                                                                                                                                                                                            29-AUG-2003
06-AUG-2002
                                                                                                                                                                                                                                                                                                       AA021424;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Drug-resistant human immunodeficiency virus integrase mutants for development of drug-resistant HIV inhibitors and diagnostic probes
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                                                                                                                                                                                                                                                                                                                                                          standard; protein; 288
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 217; DB 5; llarity 100.0%; Pred. No. 3.7e-23; Conservative 0; Mismatches 0;
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Human immunodeficiency virus

inhibitor.

Anti-HIV; human immunodeficiency virus; HIV; integrase; Human immunodeficiency virus integrase protein #15

drug-resistant;

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